

ABSTRACT OF THE DISCLOSURE

A method and apparatus for automated generation of a service level agreement delay value and monitoring of a network.

Service level agreement delay values are generated by
5 calculating a path delay and standard deviation for a path
through the network. A confidence interval is determined for the
path delay using the standard deviation. The service level
agreement delay value is generated from the path delay and the
confidence interval. The network is subsequently monitored in
10 order to predict and track violations of the service level
agreement delay value. The subsequent monitoring of the network
is performed for both trunks and paths within the network.

10035306 110301